

# Sigitas Tamulevicius

## List of Publications by Year in descending order

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199  
papers

3,514  
citations

185998

28  
h-index

197535

49  
g-index

205  
all docs

205  
docs citations

205  
times ranked

3862  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress in sodium alginate based sustainable hydrogels for environmental applications. Journal of Cleaner Production, 2018, 198, 143-159.	4.6	320
2	Sustainability of bioplastics: Opportunities and challenges. Current Opinion in Green and Sustainable Chemistry, 2018, 13, 68-75.	3.2	198
3	Progress in lignin hydrogels and nanocomposites for water purification: Future perspectives. Vacuum, 2017, 146, 342-355.	1.6	138
4	Recent developments in recycling of polystyrene based plastics. Current Opinion in Green and Sustainable Chemistry, 2018, 13, 32-38.	3.2	120
5	Recent progress in gelatin hydrogel nanocomposites for water purification and beyond. Vacuum, 2017, 146, 396-408.	1.6	113
6	SILAR deposition of Cd <sub>x</sub> Zn <sub>1-x</sub> S thin films. Applied Surface Science, 2000, 161, 396-405.	3.1	85
7	Stress and strain in the vacuum deposited thin films. Vacuum, 1998, 51, 127-139.	1.6	83
8	A single emitting layer white OLED based on exciplex interface emission. Journal of Materials Chemistry C, 2016, 4, 3851-3856.	2.7	74
9	Diamond Like Carbon Films Containing Si: Structure and Nonlinear Optical Properties. Materials, 2020, 13, 1003.	1.3	67
10	Recent approaches in guar gum hydrogel synthesis for water purification. International Journal of Polymer Analysis and Characterization, 2018, 23, 621-632.	0.9	66
11	Growth of ultra thin PbS films by SILAR technique. Thin Solid Films, 2003, 428, 223-226.	0.8	63
12	Stress and morphological development of CdS and ZnS thin films during the SILAR growth on (1 0) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50	3.1	58
13	Polyimide and Imide Compound Exhibiting Bright Red Fluorescence with Very Large Stokes Shifts via Excited-State Intramolecular Proton Transfer II. Ultrafast Proton Transfer Dynamics in the Excited State. Macromolecules, 2016, 49, 1848-1857.	2.2	56
14	Growth of PbS thin films on silicon substrate by SILAR technique. Thin Solid Films, 2002, 403-404, 457-461.	0.8	54
15	Highly Luminous Sky-Blue Organic Light-Emitting Diodes Based on the Bis[(1,2)(5,6)]indoloanthracene Emissive Layer. Journal of Physical Chemistry C, 2016, 120, 6206-6217.	1.5	45
16	Diamond like carbon nanocomposites with embedded metallic nanoparticles. Reports on Progress in Physics, 2018, 81, 024501.	8.1	45
17	Ion beam synthesis of the diamond like carbon films for nanoimprint lithography applications. Thin Solid Films, 2006, 515, 636-639.	0.8	39
18	Annealing Effects on Structure and Optical Properties of Diamond-Like Carbon Films Containing Silver. Nanoscale Research Letters, 2016, 11, 146.	3.1	37

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19	Surface Lattice Resonances in Self-Assembled Arrays of Monodisperse Ag Cuboctahedra. ACS Nano, 2019, 13, 9038-9047.	7.3	36
20	Implementation of diffractive optical element in four-wave mixing scheme for ex situ characterization of hydride vapor phase epitaxy-grown GaN layers. Review of Scientific Instruments, 2007, 78, 033901.	0.6	35
21	Antimicrobial Properties of Diamond-Like Carbon/Silver Nanocomposite Thin Films Deposited on Textiles: Towards Smart Bandages. Materials, 2016, 9, 371.	1.3	35
22	Hydrophobic properties of the ion beam deposited DLC films containing SiOx. Thin Solid Films, 2007, 515, 7615-7618.	0.8	34
23	Synthesis of the silicon and silicon oxide doped a-C:H films from hexamethyldisiloxane vapor by DC ion beam. Surface and Coatings Technology, 2006, 200, 6240-6244.	2.2	33
24	Nine-ring angular fused bis carbazoloanthracene displaying a solid state based excimer emission suitable for OLED application. Journal of Materials Chemistry C, 2016, 4, 5795-5805.	2.7	33
25	Guide-mode resonance characteristics of periodic structure on base of diamond-like carbon film. Optics Communications, 2013, 301-302, 1-6.	1.0	32
26	On the synthesis of yttria-stabilized zirconia: a comparative study. Journal of Sol-Gel Science and Technology, 2015, 76, 309-319.	1.1	30
27	Twisted Intramolecular Charge Transfer States in Tertiary Star-Shaped Triphenylamine-Based Compounds. Journal of Physical Chemistry A, 2018, 122, 3218-3226.	1.1	29
28	XPS study of the ultrathin a-C:H films deposited onto ion beam nitrated AISI 316 steel. Applied Surface Science, 2005, 249, 295-302.	3.1	28
29	Bias effects on structure and piezoresistive properties of DLC:Ag thin films. Surface and Coatings Technology, 2014, 255, 84-89.	2.2	28
30	Optical properties of diamond like carbon films containing copper, grown by high power pulsed magnetron sputtering and direct current magnetron sputtering: Structure and composition effects. Thin Solid Films, 2015, 581, 48-53.	0.8	28
31	Micro lens fabrication by 3D electron beam lithography combined with thermal reflow technique. Microelectronic Engineering, 2016, 164, 23-29.	1.1	28
32	Plasmonic properties of silver in polymer. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 149, 230-236.	1.7	27
33	Plasmonic properties of silver nanoparticles embedded in diamond like carbon films: Influence of structure and composition. Applied Surface Science, 2014, 317, 1041-1046.	3.1	27
34	The surface properties of PS/PMMA blends nanostructured polymeric layers. Thin Solid Films, 2004, 453-454, 304-311.	0.8	26
35	Porous silicon - A versatile platform for mass-production of ultrasensitive SERS-active substrates. Microporous and Mesoporous Materials, 2021, 323, 111204.	2.2	26
36	Modeling of the plasmonic properties of DLC:Ag nanocomposite films. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 329-335.	0.8	25

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37	Nitrogen-doped twisted graphene grown on copper by atmospheric pressure CVD from a decane precursor. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 145-158.	1.5	25
38	Effect of Ag Nanocube Optomechanical Modes on Plasmonic Surface Lattice Resonances. <i>ACS Photonics</i> , 2020, 7, 3130-3140.	3.2	25
39	Electrical and piezoresistive properties of ion beam deposited DLC films. <i>Applied Surface Science</i> , 2008, 254, 5252-5256.	3.1	24
40	Stress and surface studies of SILAR grown ZnS thin films on (100)GaAs substrates. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 288, 223-230.	2.6	22
41	Application of holographic sub-wavelength diffraction gratings for monitoring of kinetics of bioprocesses. <i>Applied Surface Science</i> , 2012, 258, 9292-9296.	3.1	22
42	Structure of the silver containing diamond like carbon films: Study by multiwavelength Raman spectroscopy and XRD. <i>Diamond and Related Materials</i> , 2013, 40, 32-37.	1.8	21
43	Numerical and experimental analysis of optical response of sub-wavelength period structure in carbonaceous film for refractive index sensing. <i>Optics Express</i> , 2014, 22, 27462.	1.7	21
44	Spectroellipsometric characterization and modeling of plasmonic diamond-like carbon nanocomposite films with embedded Ag nanoparticles. <i>Nanoscale Research Letters</i> , 2015, 10, 157.	3.1	21
45	Total internal reflection based sub-wavelength grating sensor for the determination of refractive index of liquids. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2011, 9, 140-148.	1.0	20
46	Piezoresistive properties of amorphous carbon based nanocomposite thin films deposited by plasma assisted methods. <i>Thin Solid Films</i> , 2013, 538, 78-84.	0.8	20
47	Stress and surface studies of SILAR grown CdS thin films on GaAs(100). <i>Thin Solid Films</i> , 1999, 355-356, 430-434.	0.8	19
48	Growth of Ag films on polyethylene terephthalate (PET) deposited by electron beam. <i>Thin Solid Films</i> , 2006, 495, 118-123.	0.8	19
49	Dot-Matrix Hologram Rendering Algorithm and its Validation through Direct Laser Interference Patterning. <i>Scientific Reports</i> , 2018, 8, 14245.	1.6	18
50	Facile Synthesis of Silver-Doped Zinc Oxide Nanostructures as Efficient Scaffolds for Detection of p-Nitrophenol. <i>Chemosensors</i> , 2020, 8, 108.	1.8	18
51	Hot Electron Emission Can Lead to Damping of Optomechanical Modes in Core-Shell Ag@TiO <sub>2</sub> Nanocubes. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24159-24167.	1.5	18
52	Ion beam synthesis of $\text{I}\pm\text{CNx:H}$ films. <i>Surface and Coatings Technology</i> , 2002, 151-152, 180-183.	2.2	17
53	XPS study of the a-C:H/Ti and a-C:H/a-Si interfaces. <i>Vacuum</i> , 2006, 80, 1007-1011.	1.6	17
54	Effect of oxidation of copper nanoparticles on absorption spectra of DLC:Cu nanocomposites. <i>Diamond and Related Materials</i> , 2019, 99, 107538.	1.8	17

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55	Laser pulse assisted nanoimprint lithography. <i>Thin Solid Films</i> , 2004, 453-454, 13-15.	0.8	16
56	Residual stress in polytetrafluoroethylene-metal nanocomposite films prepared by magnetron sputtering. <i>Thin Solid Films</i> , 2010, 518, 5944-5949.	0.8	16
57	Piezoresistive properties of diamond like carbon films containing copper. <i>Diamond and Related Materials</i> , 2015, 60, 20-25.	1.8	16
58	Diamond like carbon Ag nanocomposites as a control measure against <i>Campylobacter jejuni</i> and <i>Listeria monocytogenes</i> on food preparation surfaces. <i>Diamond and Related Materials</i> , 2018, 81, 118-126.	1.8	16
59	High-Density Plasmonic Nanoparticle Arrays Deposited on Nanoporous Anodic Alumina Templates for Optical Sensor Applications. <i>Nanomaterials</i> , 2019, 9, 531.	1.9	16
60	Interaction between copper and point defects in proton-irradiated silicon. <i>Journal of Applied Physics</i> , 1992, 71, 4212-4216.	1.1	15
61	The structure and molecular orientation of polytetrafluoroethylene coatings deposited from active gas phase. <i>Applied Surface Science</i> , 2009, 255, 6851-6856.	3.1	15
62	Numerical implementation of the S-matrix algorithm for modeling of relief diffraction gratings. <i>Journal of Modern Optics</i> , 2013, 60, 1781-1788.	0.6	15
63	Structure and density profile of diamond-like carbon films containing copper: Study by X-ray reflectivity, transmission electron microscopy, and spectroscopic ellipsometry. <i>Thin Solid Films</i> , 2017, 630, 48-58.	0.8	15
64	Preclinical Study of a Multi-Layered Antimicrobial Patch Based on Thin Nanocomposite Amorphous Diamond Like Carbon Films with Embedded Silver Nanoparticles. <i>Materials</i> , 2020, 13, 3180.	1.3	15
65	Mechanical properties of ion beam deposited carbon films. <i>Carbon</i> , 2004, 42, 1085-1088.	5.4	14
66	Linear and Nonlinear Absorption Properties of Diamond-Like Carbon Doped With Cu Nanoparticles. <i>Plasmonics</i> , 2017, 12, 47-58.	1.8	14
67	Fabrication of a biocompatible and continuous glucose biosensor with the poly(3,4-ethylenedioxythiophene) modified electrode. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 104, 1-7.	2.7	14
68	Piezoresistive, optical and electrical properties of diamond like carbon and carbon nitride films. <i>Diamond and Related Materials</i> , 2010, 19, 1249-1253.	1.8	13
69	Piezoresistive properties and structure of hydrogen-free DLC films deposited by DC and pulsed-DC unbalanced magnetron sputtering. <i>Surface and Coatings Technology</i> , 2012, 211, 172-175.	2.2	13
70	Thermally-driven structural changes of graphene oxide multilayer films deposited on glass substrate. <i>Superlattices and Microstructures</i> , 2014, 75, 461-467.	1.4	13
71	Structuring of DLC:Ag nanocomposite thin films employing plasma chemical etching and ion sputtering. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2014, 341, 1-6.	0.6	13
72	Influence of magnetron sputtering deposition conditions and thermal treatment on properties of platinum thin films for positive electrode-electrolyte-negative electrode structure. <i>Thin Solid Films</i> , 2015, 594, 101-108.	0.8	13

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73	Femtosecond laser micro-machined polyimide films for cell scaffold applications. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, e760-e773.	1.3	13
74	Application of plasma spray deposited coatings for seawater activated batteries. <i>Journal of Power Sources</i> , 1998, 72, 9-13.	4.0	12
75	Effects of low-energy ion beam glancing angle nitridation on nGaAs surface and Co/nGaAs Schottky contact properties. <i>Vacuum</i> , 2004, 77, 79-86.	1.6	12
76	<title>Synthesis and characterization of silver nanoparticles</title>. , 2006, 6596, 115.		12
77	Growth and properties of the ion beam deposited SiOx containing DLC films. <i>Vacuum</i> , 2009, 83, S121-S123.	1.6	12
78	Refractive index sensor based on the diamond like carbon diffraction grating. <i>Thin Solid Films</i> , 2011, 519, 4082-4086.	0.8	12
79	Piezoresistive and electrical properties of Cr containing diamond-like carbon films. <i>Surface and Coatings Technology</i> , 2012, 211, 80-83.	2.2	12
80	Carrier gas and ion beam parameter effects on the structure and properties of a-C:H/SiOx films deposited employing closed drift ion beam source. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2012, 282, 116-120.	0.6	12
81	Surface Enhanced Raman Scattering Effect in Diamond Like Carbon Films Containing Ag Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 10143-10151.	0.9	12
82	Effect of fused silica surface wettability on thermal reflow of polymer microlens arrays. <i>Microsystem Technologies</i> , 2017, 23, 2193-2206.	1.2	12
83	Investigation of transient dynamics of capillary assisted particle assembly yield. <i>Applied Surface Science</i> , 2017, 406, 136-143.	3.1	12
84	Photovoltaic Properties and Ultrafast Plasmon Relaxation Dynamics of Diamond-Like Carbon Nanocomposite Films with Embedded Ag Nanoparticles. <i>Nanoscale Research Letters</i> , 2017, 12, 288.	3.1	12
85	Giant Negative Piezoresistive Effect in Diamond-like Carbon and Diamond-like Carbon-Based Nickel Nanocomposite Films Deposited by Reactive Magnetron Sputtering of Ni Target. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 15778-15785.	4.0	12
86	Tailoring of Silver Nanoparticle Size Distributions in Hydrogenated Amorphous Diamond-Like Carbon Nanocomposite Thin Films by Direct Femtosecond Laser Interference Patterning. <i>Advanced Engineering Materials</i> , 2020, 22, 1900951.	1.6	12
87	Nanoimprint lithography using IR laser irradiation. <i>Applied Surface Science</i> , 2006, 253, 646-650.	3.1	11
88	Ion beam energy effects on structure and properties of diamond like carbon films deposited by closed drift ion source. <i>Vacuum</i> , 2010, 84, 1133-1137.	1.6	11
89	Structure and optical properties of diamond like carbon films containing aluminium and alumina. <i>Applied Surface Science</i> , 2020, 529, 147040.	3.1	11
90	Electronic speckle pattern interferometry for mechanical testing of thin films. <i>Optics and Lasers in Engineering</i> , 2004, 42, 1-8.	2.0	10

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91	Optically variable imaging using nanoimprint technique. Applied Surface Science, 2005, 245, 234-239.	3.1	10
92	Growth of ITO thin films by magnetron sputtering: OES study, optical and electrical properties. Vacuum, 2009, 83, S118-S120.	1.6	10
93	Micromachining and validation of the scanning acoustic microscope spatial resolution and sensitivity calibration block for 20–230 MHz frequency range. Microscopy (Oxford, England), 2016, 65, 429-437.	0.7	10
94	Diffraction efficiency optimization of multilayer dielectric mirror-based gratings for 1030 nm femtosecond lasers. Optics and Laser Technology, 2020, 126, 106071.	2.2	10
95	A simple model of radiation swelling of silicon. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1996, 40, 141-146.	1.7	9
96	Integral stress in ion-implanted silicon. Journal Physics D: Applied Physics, 1998, 31, 2991-2996.	1.3	9
97	Ion beam energy effects on structure and properties of SiO <sub>x</sub> doped diamond-like carbon films. Surface and Coatings Technology, 2008, 202, 2328-2331.	2.2	9
98	SiO <sub>x</sub> -doped DLC films: Charge transport, dielectric properties and structure. Vacuum, 2008, 82, 617-622.	1.6	9
99	Multiwavelength Raman analysis of SiO <sub>x</sub> and N containing amorphous diamond like carbon films. Thin Solid Films, 2015, 581, 86-91.	0.8	9
100	Patterning of diamond like carbon films for sensor applications using silicon containing thermoplastic resist (SiPol) as a hard mask. Applied Surface Science, 2016, 385, 145-152.	3.1	9
101	BaZrO <sub>3</sub> perovskite nanoparticles as emissive material for organic/inorganic hybrid light-emitting diodes. Dyes and Pigments, 2017, 145, 399-403.	2.0	9
102	Imprint lithography of pyramidal photonic pillars using hydrazine etching. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 16, 568-573.	1.3	8
103	XRD Analysis of Plasma Sprayed YSZ-NiO-Ni Ceramic Coatings. Plasma Processes and Polymers, 2007, 4, S181-S184.	1.6	8
104	FORMATION OF PERIODICAL MICROSTRUCTURES USING INTERFERENCE LITHOGRAPHY. Experimental Techniques, 2008, 32, 23-28.	0.9	8
105	Multilayer amorphous hydrogenated carbon (a-C:H) and SiO <sub>x</sub> doped a-C:H films for optical applications. Thin Solid Films, 2011, 519, 4004-4007.	0.8	8
106	Synthesis of YSZ thin films by the novel aqueous sol-gel citrate-precursor method. Solid State Ionics, 2012, 225, 73-76.	1.3	8
107	Effects of 3D microlens transfer into fused silica substrate by CF <sub>4</sub> /O <sub>2</sub> dry etching. Applied Surface Science, 2017, 393, 287-293.	3.1	8
108	Simultaneous ion implantation and deposition. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1989, 115, 193-196.	2.6	7

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109	Ion-beam-activated processes on the surfaces of solids. <i>Surface and Coatings Technology</i> , 1995, 71, 239-249.	2.2	7
110	Direct ion beam deposited carbon films and clusters. <i>Vacuum</i> , 2003, 72, 193-198.	1.6	7
111	Hybrid numerical&quot;experimental approach for investigation of dynamics of microcantilever relay system. <i>Optics and Lasers in Engineering</i> , 2005, 43, 63-73.	2.0	7
112	Optical characterization of diffractive optical elements replicated in polymers. <i>Journal of Micro/Nanolithography, MEMS, and MOEMS</i> , 2006, 5, 013004.	1.0	7
113	Modification of amorphous DLC films induced by MeV photon irradiation. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2008, 266, 2788-2792.	0.6	7
114	Laser beam shape effect in optical control of the 1/4-fluicid channel depth employing scatterometry. <i>Optics and Lasers in Engineering</i> , 2010, 48, 664-670.	2.0	7
115	In-situ measurements of bacteria resistance to antimicrobial agents employing leaky mode sub-wavelength diffraction grating. <i>Sensors and Actuators B: Chemical</i> , 2014, 204, 799-806.	4.0	7
116	Optical Properties of DLC-Ag Nanocomposite and Grating Structures on their Base. <i>Applied Mechanics and Materials</i> , 0, 490-491, 53-57.	0.2	7
117	Effects of the High Power Pulsed Magnetron Sputtering Deposition Conditions on Structure of Diamond Like Carbon:Cu Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 10133-10142.	0.9	7
118	Implementation of an optimized microfluidic mixer in alumina employing femtosecond laser ablation. <i>Journal of Micromechanics and Microengineering</i> , 2018, 28, 015013.	1.5	7
119	Self-Saturable Absorption and Reverse-Saturable Absorption Effects in Diamond-Like Carbon Films with Embedded Copper Nanoparticles. <i>Coatings</i> , 2019, 9, 100.	1.2	7
120	Improved Crystalline Structure and Enhanced Photoluminescence of ZnO Nanolayers in Bi <sub>2</sub> Se <sub>3</sub> /ZnO Heterostructures. <i>Journal of Physical Chemistry C</i> , 2019, 123, 31156-31166.	1.5	7
121	Fabrication of an Extremely Cheap Poly(3,4-ethylenedioxythiophene) Modified Pencil Lead Electrode for Effective Hydroquinone Sensing. <i>Polymers</i> , 2021, 13, 343.	2.0	7
122	Transient absorption spectroscopy as a promising optical tool for the quality evaluation of graphene layers deposited by microwave plasma. <i>Surface and Coatings Technology</i> , 2020, 395, 125887.	2.2	7
123	The Polymeric Layers Formation by Sorption from Organic Solutions. <i>Solid State Phenomena</i> , 2003, 94, 265-270.	0.3	6
124	CdS-PbS Multilayer Thin Films Grown by the SILAR Method. <i>Solid State Phenomena</i> , 2004, 99-100, 243-246.	0.3	6
125	Design, fabrication, and simulation of cantilever-type electrostatic micromechanical switch. , 2005, 5763, 436.		6
126	Evaluation of Laser Drilling of Ni Film on Silicon for Solid Oxide Fuel Cells. <i>Physics Procedia</i> , 2011, 12, 317-322.	1.2	6



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127	The calculation, fabrication and verification of diffraction grating based on laser beam splitters employing a white light scatterometry technique. <i>Optics and Lasers in Engineering</i> , 2013, 51, 1185-1191.	2.0	6
128	Microstructuring of electrospun mats employing femtosecond laser. <i>Medziagotyra</i> , 2015, 21, .	0.1	6
129	UV-NIL replication of microlens arrays on flexible fluoropolymer substrates. <i>Microsystem Technologies</i> , 2018, 24, 1115-1125.	1.2	6
130	Direct patterning of nitrogen-doped chemical vapor deposited graphene-based microstructures for charge carrier measurements employing femtosecond laser ablation. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 30LT01.	1.3	6
131	Ultrafast relaxation dynamics of aluminum nanoparticles in solution. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 117, 113795.	1.3	6
132	Ion-activated interface adsorption of oxygen during silver deposition on silicon. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1991, 10, 279-284.	1.7	5
133	Electronic Speckle Pattern Interferometry for Micromechanical Measurements. <i>Advanced Engineering Materials</i> , 2002, 4, 546-550.	1.6	5
134	Oxygen Plasma Processing of Silicon and Silica Substrates for Thin Films of Polymer Blends. <i>Solid State Phenomena</i> , 2004, 99-100, 175-180.	0.3	5
135	X-ray photoelectron spectroscopy study of MBE-grown Gd/EuTe multilayers. <i>Journal of Alloys and Compounds</i> , 2005, 401, 150-154.	2.8	5
136	Optical characterization of microstructures of high aspect ratio. , 2007, , .		5
137	The metals chemical states in hydrated vanadium oxides. <i>Micron</i> , 2009, 40, 126-129.	1.1	5
138	Robust plasmonic substrates. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 151-159.	1.1	5
139	Polarization-dependent ultrafast plasmon relaxation dynamics in nanoporous gold thin films and nanowires. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 225103.	1.3	5
140	Cerium doping and cerium aluminium co-doping effects on the sol-gel processing of Y <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> (YIG): Bulk and thin films. <i>Solid State Sciences</i> , 2020, 99, 106065.	1.5	5
141	Synthesis and Electron-Beam Evaporation of Gadolinium-Doped Ceria Thin Films. <i>Coatings</i> , 2022, 12, 747.	1.2	5
142	Investigation of the Ag <sup>+</sup> -Si interface formed under simultaneous irradiation using a high energy ion beam. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1989, 2, 203-206.	1.7	4
143	Elementary processes in thin film formation stimulated by high energy ion irradiation. <i>Vacuum</i> , 1994, 45, 1221-1225.	1.6	4
144	Morphological and structural study of ultra thin Al films on polymer substrate. <i>Superlattices and Microstructures</i> , 2004, 36, 79-86.	1.4	4

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145	<title>Optical properties of the undoped and SiO<formula><inf><roman>x</roman></inf></formula> doped DLC films</title>. , 2006, , .		4
146	Ion beam deposition of amorphous hydrogenated carbon films on amorphous silicon interlayer: Experiment and simulation. Diamond and Related Materials, 2011, 20, 693-702.	1.8	4
147	Multiwavelength Raman Scattering Spectroscopy Study of Graphene Synthesized on Si(100) and SiO <sub>2</sub> by Microwave Plasma-Enhanced Chemical Vapor Deposition. Physica Status Solidi - Rapid Research Letters, 2020, 14, 1900462.	1.2	4
148	Hydrogen-Free Diamond Like Carbon Films with Embedded Cu Nanoparticles: Structure, Composition and Reverse Saturable Absorption Effect. Materials, 2020, 13, 760.	1.3	4
149	Shape influence on the ultrafast plasmonic properties of gold nanoparticles. Optics Express, 2022, 30, 27730.	1.7	4
150	Temperature conditions during arc discharge plasma deposition of titanium nitride. Surface and Coatings Technology, 1995, 71, 250-253.	2.2	3
151	The Influence of the Pretreatment of Si Substrate on the Growth of PbS Thin Films in the SILAR Technique. Solid State Phenomena, 2003, 94, 261-264.	0.3	3
152	Effect of deposition conditions and annealing on residual stress of ITO films magnetron sputtered on silica. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 307-311.	0.8	3
153	Effects of selenium treatment on composition and photoluminescence properties of porous silicon. Journal of Luminescence, 2007, 127, 431-434.	1.5	3
154	Sol-Gel Synthesis of Mesoporous TiO <sub>2</sub> Films for Visible Light Sensitive TiO <sub>2</sub> /CdS Heterostructures. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 315-321.	0.1	3
155	Plasmon-organic fiber interactions in diamond-like carbon coated nanostructured gold films. Optics Communications, 2017, 402, 635-640.	1.0	3
156	Diamond like carbon films with embedded Cu nanoclusters deposited by reactive high power impulse magnetron sputtering: Pulse length effects. Thin Solid Films, 2019, 673, 1-6.	0.8	3
157	Replication of periodic structures in polymer materials. Lithuanian Journal of Physics, 2004, 44, 345-351.	0.1	3
158	Application of dynamic ion mixing in platinum silicide formation. Applied Surface Science, 1991, 53, 159-164.	3.1	2
159	Analysis of a Microelectrostatic Motor. Solid State Phenomena, 2006, 113, 185-189.	0.3	2
160	Mechanical properties of the X-ray irradiated DLC films containing SiO <sub>x</sub> as a constructive element for radiation detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 591, 188-191.	0.7	2
161	Periodic structures modified with silver nanoparticles for novel plasmonic application. Proceedings of SPIE, 2008, , .	0.8	2
162	Optical properties of diamond like carbon and diamond like nanocomposite films. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 2817-2819.	0.8	2

#	ARTICLE	IF	CITATIONS
163	MECHANICAL AND SURFACE TOPOGRAPHY CHANGES DURING MECHANICAL TESTING OF DIFFRACTION OPTICAL ELEMENTS IN POLYMER. <i>Experimental Techniques</i> , 2010, 34, 55-62.	0.9	2
164	Modulation of monochromatic terahertz radiation in transmission and reflection modes using planar metamaterial. <i>Electronics Letters</i> , 2011, 47, 503.	0.5	2
165	Vacuum plasma spray deposition of YSZâ€“NiOâ€“Ni coatings at different Ar and H2 gas flow rates. <i>Vacuum</i> , 2011, 86, 34-38.	1.6	2
166	Formation of sub-wavelength pitch regular structures employing a motorized multiple exposure Lloyd's mirror holographic lithography setup. , 2014, , .		2
167	Dynamic optical properties of amorphous diamond-like carbon nanocomposite films doped with Cu and Ag nanoparticles. <i>Proceedings of SPIE</i> , 2014, , .	0.8	2
168	Valence State of Iron and Molybdenum Cations under Conditions of Anionic Deficiency in Sr <sub>2</sub> FeMoO <sub>6</sub> â€“Î. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900387.	0.7	2
169	Characterisation and radiolysis of modified lithium orthosilicate pebbles with noble metal impurities. <i>Fusion Engineering and Design</i> , 2017, 124, 934-939.	1.0	2
170	Evaluation of Laser Drilling of Ni Film on Silicon for Solid Oxide Fuel Cells. <i>Journal of Laser Micro Nanoengineering</i> , 2011, 6, 199-203.	0.4	2
171	The evolution of properties with deposition time of vertical graphene nanosheets produced by microwave plasma-enhanced chemical vapor deposition. <i>Surfaces and Interfaces</i> , 2021, 27, 101529.	1.5	2
172	Optical measurements of strain and stress in thin films. , 2001, , .		1
173	Optical characterization of diffractive optical elements replicated in polymers. , 2005, , .		1
174	Synergy of contact and noncontact techniques for design and characterization of vibrating MOEMS elements. <i>Journal of Micro/ Nanolithography, MEMS, and MOEMS</i> , 2005, 4, 041602.	1.0	1
175	Thermal stress kinetics in the microresist-silicon system. , 2006, , .		1
176	Metallization of poly(ethylene terephthalate) in the wide range of substrate temperatures. <i>Surface and Coatings Technology</i> , 2006, 200, 6490-6494.	2.2	1
177	Hybrid Experimental â€“ Numerical Full-Field Displacement Evaluation for Characterization of Micro-Scale Components of Mechatronic Systems. <i>Solid State Phenomena</i> , 2006, 113, 73-78.	0.3	1
178	Optical properties of diamondâ€“like carbon films irradiated by Xâ€“ray photons. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 3414-3416.	0.8	1
179	Formation and Electrical Properties of Metal/Organic Semiconductor/Si Heterostructures Based on Naphthalene Diimide-Based Compounds. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 497, 154/[486]-163/[495].	0.4	1
180	Bottom-up tailoring of photonic nanofibers. <i>Proceedings of SPIE</i> , 2008, , .	0.8	1

#	ARTICLE	IF	CITATIONS
181	Modelling and Fabrication of Micro-SOFC Membrane Structure. Medziagotyra, 2014, 20, .	0.1	1
182	Local field enhanced second-harmonic response of organic nanofibers deposited on encapsulated plasmonic substrates. Proceedings of SPIE, 2015, , .	0.8	1
183	Diffraction efficiency and noise analysis of hidden image holograms. Optik, 2017, 131, 805-812.	1.4	1
184	Tailoring Mesoporous Silicon Surface to Form a Versatile Template for Nanoparticle Deposition. Coatings, 2021, 11, 699.	1.2	1
185	Features of Polytetrafluoroethylene Coating Growth on Activated Surfaces from Gas Phase. Springer Proceedings in Physics, 2009, , 85-89.	0.1	1
186	Absorbance Control of Liquids Employing Transmission Sub-wavelength DLC Diffraction Grating. NATO Science for Peace and Security Series B: Physics and Biophysics, 2013, , 203-212.	0.2	1
187	Electrical transport properties of a carbon nanostructure obtained by plasma-enhanced chemical vapor deposition during thermal cycling. Journal of the Belarusian State University Physics, 2020, , 89-96.	0.1	1
188	<title>Influence of annealing on the morphology and phase composition of plasma-sprayed Ni/Al coatings</title>. , 1999, , .		0
189	Influence of plasma spraying process parameters on properties of the deposited Ni-Al coatings. , 2001, , .		0
190	Investigation of Electrostatic Cantilever-Type Micromechanical Actuator. Solid State Phenomena, 2006, 113, 179-184.	0.3	0
191	In situ analysis of adsorption process from residual gases during thin film deposition. Journal of Physics: Conference Series, 2008, 100, 092026.	0.3	0
192	On the Properties of Yttria-Stabilized Zirconia Thin Films Prepared by Sol-Gel Method. Medziagotyra, 2011, 17, 191-196.	0.1	0
193	The influence of sublayer material on surface properties of electrodeposited nickel with periodical structures. Materials Science-Poland, 2011, 29, 195-202.	0.4	0
194	Micro-channel drilling of Ni and Pt films on silicon by using laser beam interference ablation for solid oxide fuel cells. , 2011, , .		0
195	Two-step Fabrication of Large Area SiO <sub>2</sub> /Si Membranes. Medziagotyra, 2012, 18, .	0.1	0
196	Current-Voltage Characteristics of the Metal / Organic Semiconductor / Metal Structures: Top and Bottom Contact Configuration Case. Medziagotyra, 2013, 19, .	0.1	0
197	Advanced Magnetic Oxides. Physica Status Solidi (B): Basic Research, 2020, 257, 2000058.	0.7	0
198	Degree of phase transformations in the conditions of polythermal synthesis of SrBaFeMoO <sub>6</sub> . Vacuum, 2020, 174, 109196.	1.6	0

#	ARTICLE	IF	CITATIONS
199	Three Phase Boundary Enhancement in SOFC Anodes by Applying Laser Drilling Technique. Journal of Laser Micro Nanoengineering, 2014, 9, 169-173.	0.4	0